

SUPERCRITICAL WATER APPLICATION FOR OXIDE FORMATION

ABSTRACT

[0044] The present disclosure provides for a method and system for fabricating an insulating layer on a substrate. The method and system provide a fluid to a substrate, wherein the fluid is provided in an aerosol form. The method and system also provides for generating a supercritical process environment proximate to the substrate. The method and system further provides a proximate supercritical process environment having a supercritical process temperature and a supercritical process pressure for altering the fluid, and placing the substrate in contact with the altered fluid, wherein the insulating layer is formed on the substrate by a reaction between the substrate and the fluid.